

ISOCOM Presents the Quad Channel CSM 166-4 Optocoupler



The Isocom quad channel CSM 166-4 optocoupler provides radiation tolerant transistor output for space/satellite, high-performance military and hi-rel infrastructure applications. The four channel optocoupler has been tested for TID radiation up to 150KRad(Si). The device is a 4 channel optocoupler suitable for high-density application.

The high CTR output provides both lower output saturation voltage and higher speed operation compared to a conventional phototransistor type coupler.

The CSM 166-4 consists of four IR light emitting diodes, each optically coupled to a corresponding high gain transistor. The CSM 166-4 is packaged in a compact hermetically sealed, low weight 16 pin surface mount ceramic flat pack designed with a small footprint.

The minimum CTR of 100% at an input current of 0.5mA makes it ideal for use in low input current applications such as MOS, CMOS and low power logic interfacing or data transmission systems.

The optocoupler operates across a temperature range of -55°C to 125°C at 0.5mA Input Forward Current and Breakdown Voltage of 100 Volts with a maximum leakage current of 100nA.

The in-line design of the optocoupler circuit offers an ideal isolation voltage of min 1500 volts for computer interface and micro controller applications.

For further information please visit the Isocom website www.isocom.uk.com or email our team at sales@isocom.uk.com